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CENTRAL INTELLIGENCE AGENCY  
**INFORMATION REPORT**

25X1A

COUNTRY USSR

SUBJECT Specifications of the 'PAB' and 'LB-1' Artillery  
Aiming CirclesPLACE ACQUIRED ----  
(BY SOURCE)

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1. "New periscopic artillery aiming circles (bussol) 'PAB' and 'LB-1' have now replaced the old artillery aiming circle 'BMT' of Mikhailovski-Turov.  
[Information dated early 1954.]

2. "By means of the 'PAB' and 'LB-1' one can"

- (a) Very exactly measure vertical and horizontal angles
- (b) Determine the azimuth of the direction
- (c) Use both aiming circles as an instrument of observation
- (d) Measure distances by means of the angle-measuring net of the monocular of the aiming circle and a range-finding rod.

3. "The basic advantage of the above aiming circles is that with them one can work and make observations in a shelter.

4. "'PAB' consists of:

- (a) An 'orientator-aiming' circle
- (b) An angle-measuring device of great precision
- (c) An optical part:
  - (1) a sighting monocular and
  - (2) a periscopic device

Technical data:

Magnification - 4X  
Field of vision, without periscope - 80°30'  
Field of vision, with periscope - 50°  
Periscopism (periskopichnost) - 350 mm  
Weight of aiming circle with periscope - 1.89 kg  
Weight of total equipment:  
aiming circle, periscope and tripod - 6.5 kg

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5. "LB-1" consists of:

- (a) An orientator-aiming circle
- (b) An angle-measuring device of great precision
- (c) An optical part:
  - (1) a sighting monocular and
  - (2) a periscopic device

Technical data:

Magnification - 8x (old models 6x)  
Field of vision without periscope - 60  
Field of vision with periscope - 4.50  
Illumination - 6.25  
Periscopism - 400 mm.

6. "Other aiming circles in use are:

BBT - very exact aiming circle (binocular)  
OB - lightened aiming circle"

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